



OIPE

## RAW SEQUENCE LISTING

DATE: 06/11/2002

PATENT APPLICATION: US/10/045,674

TIME: 14:27:29

Input Set : A:\Dyax2cp2.app

Output Set: N:\CRF3\06112002\J045674.raw

0888 Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: LADNER, ROBERT C.  
 4 COHEN, EDWARD H.  
 5 NASTRI, HORACIO G.  
 6 ROOKEY, KRISTIN L.  
 7 HOET, RENE  
 8 HOOGENBOOM, HENDRICUS R. J. M.  
 10 <120> TITLE OF INVENTION: NOVEL METHODS OF CONSTRUCTING LIBRARIES COMPRISING  
 11 DISPLAYED AND/OR EXPRESSED MEMBERS OF A DIVERSE FAMILY  
 12 OF PEPTIDES, POLYPEPTIDES OR PROTEINS AND THE NOVEL  
 13 LIBRARIES  
 15 <130> FILE REFERENCE: DYAX/002 CIP2  
 17 <140> CURRENT APPLICATION NUMBER: 10/045,674  
 18 <141> CURRENT FILING DATE: 2001-10-25  
 20 <150> PRIOR APPLICATION NUMBER: 06/198,069  
 21 <151> PRIOR FILING DATE: 2000-04-17  
 23 <150> PRIOR APPLICATION NUMBER: 09/837,306  
 24 <151> PRIOR FILING DATE: 2001-04-17  
 26 <160> NUMBER OF SEQ ID NOS: 635  
 28 <170> SOFTWARE: PatentIn Ver. 2.1  
 30 <210> SEQ ID NO: 1  
 31 <211> LENGTH: 17  
 32 <212> TYPE: DNA  
 33 <213> ORGANISM: Artificial Sequence  
 35 <220> FEATURE:  
 36 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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 48 <220> FEATURE:  
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 56 <210> SEQ ID NO: 3  
 57 <211> LENGTH: 18  
 58 <212> TYPE: DNA  
 59 <213> ORGANISM: Artificial Sequence  
 61 <220> FEATURE:  
 62 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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63     oligonucleotide
65 <400> SEQUENCE: 3
66 gtgtattaga ctgctgcc                               18
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72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
76     oligonucleotide
78 <400> SEQUENCE: 4
79 ggcagcagtc taatacacca catccgtggtt ctccacggat gtg           43
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 47
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
89     oligonucleotide
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92 cacatccgtg ttgtttacac ggatgtggtg tottacagtc cattctg       47
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 20
97 <212> TYPE: DNA
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101 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
102     oligonucleotide
104 <400> SEQUENCE: 6
105 cagaatggac tgtaagacac                               20
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113 <220> FEATURE:
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115     oligonucleotide
117 <400> SEQUENCE: 7
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131 gctcagtgag actcgat                                   17
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Input Set : A:\Dyax2cp2.app

Output Set: N:\CRF3\06112002\J045674.raw

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143 <220> FEATURE:
144 <221> NAME/KEY: modified_base
145 <222> LOCATION: (10)..(24)
146 <223> OTHER INFORMATION: A, T, C, G, other or unknown
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149 caccgaggagn nnnnnnnnnnn nnnn 24
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153 <211> LENGTH: 19
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155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
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159     oligonucleotide
161 <400> SEQUENCE: 10
162 atgaccgaat tgctacaag 19
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 46
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
172     oligonucleotide
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175 gactcctcag cttctgtgctg aggagtcctt gtagcaattc gggtcat 46
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179 <211> LENGTH: 6
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
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184 <223> OTHER INFORMATION: Description of Artificial Sequence: 6 His tag
186 <400> SEQUENCE: 12
187 His His His His His His
188     1             5
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192 <211> LENGTH: 10
193 <212> TYPE: DNA
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200 <220> FEATURE:
201 <221> NAME/KEY: modified_base
202 <222> LOCATION: (6)..(10)

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203 &lt;223&gt; OTHER INFORMATION: A, T, C, G, other or unknown

205 &lt;400&gt; SEQUENCE: 13

206 ~~gtctcnnnnn~~ 10

209 &lt;210&gt; SEQ ID NO: 14

210 &lt;211&gt; LENGTH: 11

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212 &lt;213&gt; ORGANISM: Artificial Sequence

214 &lt;220&gt; FEATURE:

215 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

216 oligonucleotide

218 &lt;220&gt; FEATURE:

219 &lt;221&gt; NAME/KEY: modified\_base

220 &lt;222&gt; LOCATION: (1)..(6)

221 &lt;223&gt; OTHER INFORMATION: A, T, C, G, other or unknown

223 &lt;400&gt; SEQUENCE: 14

224 ~~nnnnnnngaga c~~ 11

227 &lt;210&gt; SEQ ID NO: 15

228 &lt;211&gt; LENGTH: 24

229 &lt;212&gt; TYPE: DNA

230 &lt;213&gt; ORGANISM: Artificial Sequence

232 &lt;220&gt; FEATURE:

233 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

234 oligonucleotide

236 &lt;220&gt; FEATURE:

237 &lt;221&gt; NAME/KEY: modified\_base

238 &lt;222&gt; LOCATION: (11)..(24)

239 &lt;223&gt; OTHER INFORMATION: A, T, C, G, other or unknown

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242 ~~cacggatgtg nnnnnnnnnnn nnnn~~ 24

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246 &lt;211&gt; LENGTH: 24

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248 &lt;213&gt; ORGANISM: Artificial Sequence

250 &lt;220&gt; FEATURE:

251 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

252 oligonucleotide

254 &lt;220&gt; FEATURE:

255 &lt;221&gt; NAME/KEY: modified\_base

256 &lt;222&gt; LOCATION: (1)..(14)

257 &lt;223&gt; OTHER INFORMATION: A, T, C, G, other or unknown

259 &lt;400&gt; SEQUENCE: 16

260 ~~nnnnnnnnnn nnnncacatc cgtg~~ 24

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264 &lt;211&gt; LENGTH: 14

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266 &lt;213&gt; ORGANISM: Artificial Sequence

268 &lt;220&gt; FEATURE:

269 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

270 oligonucleotide

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Input Set : A:\Dyax2cp2.app

Output Set: N:\CRF3\06112002\J045674.raw

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283     oligonucleotide
285 <400> SEQUENCE: 18
286 cacatccgtg cacggatgtg gcacagtaat acac 34
289 <210> SEQ ID NO: 19
290 <211> LENGTH: 14
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
296     oligonucleotide
298 <400> SEQUENCE: 19
299 gtgtattaga ctgc 14
302 <210> SEQ ID NO: 20
303 <211> LENGTH: 34
304 <212> TYPE: DNA
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307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
309     oligonucleotide
311 <400> SEQUENCE: 20
312 gcagtctaatacaccacatc cgtgcacgga tgtg 34
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317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
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322     oligonucleotide
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328 <210> SEQ ID NO: 22
329 <211> LENGTH: 14
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
335     oligonucleotide
337 <400> SEQUENCE: 22
338 ggactgtaag acac 14
341 <210> SEQ ID NO: 23
342 <211> LENGTH: 34

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**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/045,674**DATE: 06/11/2002  
TIME: 14:27:30Input Set : A:\Dyax2cp2.app  
Output Set: N:\CRF3\06112002\J045674.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 10,11,12,13,14,15,16,17,18,19,20,21,22,23,24  
Seq#:13; N Pos. 6,7,8,9,10  
Seq#:14; N Pos. 1,2,3,4,5,6  
Seq#:15; N Pos. 11,12,13,14,15,16,17,18,19,20,21,22,23,24  
Seq#:16; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14  
Seq#:85; N Pos. 3,4,5,6,7,8,9  
Seq#:86; N Pos. 4,5,6,7  
Seq#:87; N Pos. 6,7,8,9,10,11  
Seq#:88; N Pos. 1,2,3,4,5,6  
Seq#:89; N Pos. 4,5,6,7  
Seq#:90; N Pos. 3,9,12,21,30,33,39,51,57,60,69,72,75,87  
Seq#:346; N Pos. 1,2,3,4,5,6  
Seq#:347; N Pos. 6,7,8,9,10,11  
Seq#:348; N Pos. 3,4,5,6,7,8,9  
Seq#:349; N Pos. 7,8,9,10,11  
Seq#:356; N Pos. 8,9,10,11,12,13,14,15  
Seq#:357; N Pos. 7,8,9,10,11,12,13,14,15,16,17  
Seq#:358; N Pos. 7,8,9,10,11,12,13,14,15,16,17  
Seq#:359; N Pos. 6,7,8,9,10,11,12,13,14,15,16,17  
Seq#:360; N Pos. 7,8,9,10,11,12  
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Seq#:362; N Pos. 6,7,8,9,10,11,12,13,14,15,16,17,18,19  
Seq#:363; N Pos. 6,7,8,9,10,11,12,13,14,15,16,17,18  
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Seq#:365; N Pos. 7,8,9,10,11  
Seq#:366; N Pos. 6,7,8,9,10  
Seq#:367; N Pos. 6,7,8,9,10,11  
Seq#:368; N Pos. 7,8,9,10,11,12,13,14,15,16  
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Seq#:372; N Pos. 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22  
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Seq#:375; N Pos. 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22  
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**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/045,674**DATE: 06/11/2002  
TIME: 14:27:30Input Set : A:\Dyax2cp2.app  
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Seq#:508; N Pos. 4,5,6,7,8

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Input Set : A:\Dyax2cp2.app  
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Seq#:619; N Pos. 4,5,6,7  
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